

California Pesticide Use Enforcement Statistical Profile

Date August 2011

Introduction The Department of Pesticide Regulation (DPR) developed a summary of annual statewide county agricultural commissioner (CAC) pesticide enforcement program statistics. This annual California Pesticide Use Enforcement Statistical Profile consolidates CAC data from several DPR database sources. DPR also produced and distributed County Pesticide Use Enforcement Statistical Profiles with data from each individual county.

Source of the data The data sources used in the report include the Pesticide Regulatory Activities Monthly Report (PRAMR), pesticide use report, and inspection tracking databases. Also included is CAC funding information from DPR and the California Department of Food and Agriculture (CDFA).

Pages of the profile This statistical profile consists of:

- Annual statewide pesticide enforcement program statistics: General statistics about the CAC program drawn from the PRAMR and pesticide use report databases, and funding disbursed by CDFA via the unclaimed gas tax distribution and by DPR via the mill assessment;
- Statewide workload distribution by percent time: Charts showing workload distribution by licensed work hours and percentages of time dedicated to various categories of the CAC pesticide enforcement program (PRAMR);
- Statewide inspection compliance: Compliance information from the various types of inspections conducted by the CACs (inspection tracking) and a summary of the number of compliance and enforcement actions taken (PRAMR); and
- Most common violations-statewide: A listing of the code section violations that are most frequently cited on CAC inspections (inspection tracking).

Purpose of the profiles The profiles were developed to look at available data in a more comprehensive format. The CACs and DPR may use this information to:

- Develop county enforcement work plans;
- Conduct effectiveness evaluations;
- Identify trends and program changes;
- Identify CAC staff training needs;
- Identify industry outreach needs;
- Improve inspection compliance;
- Develop inspection target programs; and
- Compare county data to statewide, regional and/or other counties with similar characteristics.

Continued on next page

California Pesticide Use Enforcement Statistical Profile, Continued

Annual pesticide enforcement program statistics

This is a three-year comparison of several statistics regarding restricted materials permits (such as number of: permits issued, permits denied, multi-year permits, sites, and notices of intent reviewed, assessed and denied); pounds of pesticides used; number of applications; number of inspections; and CDFA and DPR funding. This information can be used to identify significant year-to-year reductions or increases that may impact the county's overall pesticide enforcement program.

Workload hours and distribution by percent time

The line chart shows a three-year comparison of CAC time spent (Licensed Work Hours) in seven categories of pesticide use enforcement. The pie chart presents the percentage of time dedicated to those activities over the three-year period. These charts identify areas where excessive or minimal time is dedicated to specific work categories that may not be appropriate for an individual program. It can also be used to identify significant year-to-year reductions or increases that may impact the overall pesticide enforcement program.

Inspection compliance

These tables list by agricultural and structural settings the numbers of inspections and compliance rates for each inspection type the CACs conduct. It also shows the number of "No's" per inspection, the percentage of inspections with 100 percent compliance and the number of inspections where one or more violations were found. The last number on the table can be compared with the number of compliance and enforcement actions taken during the same period; however, the numbers do not correlate directly. Not all compliance and enforcement actions are taken during the fiscal year in which it is reported. Additionally, some actions may result from the discovery of violations by means other than inspections, such as investigations.

This information can be used to identify areas of particularly low compliance where industry outreach or changes in targeting strategies may be used to improve compliance. Areas of particularly high compliance where DPR's field experience indicates that the compliance rate is not as high may identify a need to review the CAC's inspections to determine if additional training is appropriate for CAC staff.

Most common violations

This table lists the most frequently found violations by agricultural and structural settings during CAC inspections. They can be used to indicate areas where industry outreach and training are most needed.

Note: Values for some criteria can not be compared year to year due to additions and changes to law and regulations and the resultant changes to a new inspection program in 2010.

Annual Statewide Pesticide Enforcement Program Statistics

	2008	2009	2010
Operator identification numbers issued/ Amended ¹	13,433	13,502	14,174
Restricted material permits issued/ Amended ¹	30,777	29,483	31,015
Permits denied ¹	404	381	334
Multi-year permits ¹	8,971	13,941	8,233
Total permitted sites ^{1, 2}	276,819	278,189	282,312
Notices of intent (NOIs) reviewed ¹	144,945	140,590	142,071
NOIs assessed (Pre-application site inspections) ¹	9,567	8,148	7,993
NOIs denied ¹	1,659	1,212	1,228
Pounds of pesticide applied (active ingredient) ³	163,842,001	157,941,947	162,871,367
Number of agricultural applications ³	2,102,821	2,074,942	2,147,032
Number of non-agricultural applications ^{3,4}	12,809,509	12,168,548	15,439,781
Number of all inspections ¹	29,253	27,470	26,206
Unclaimed Gas Tax Distribution ^{5,6}	\$9,000,000	\$9,000,000	\$9,000,000
Pesticide Mill Assessment ⁵	\$18,558,861	\$19,087,732	\$19,835,253

Footnotes

¹ Source: Pesticide Regulatory Activities Monthly Report (PRAM)

² Some counties did not report any permitted sites.

³ Source: Department of Pesticide Regulation Pesticide Use Report Database

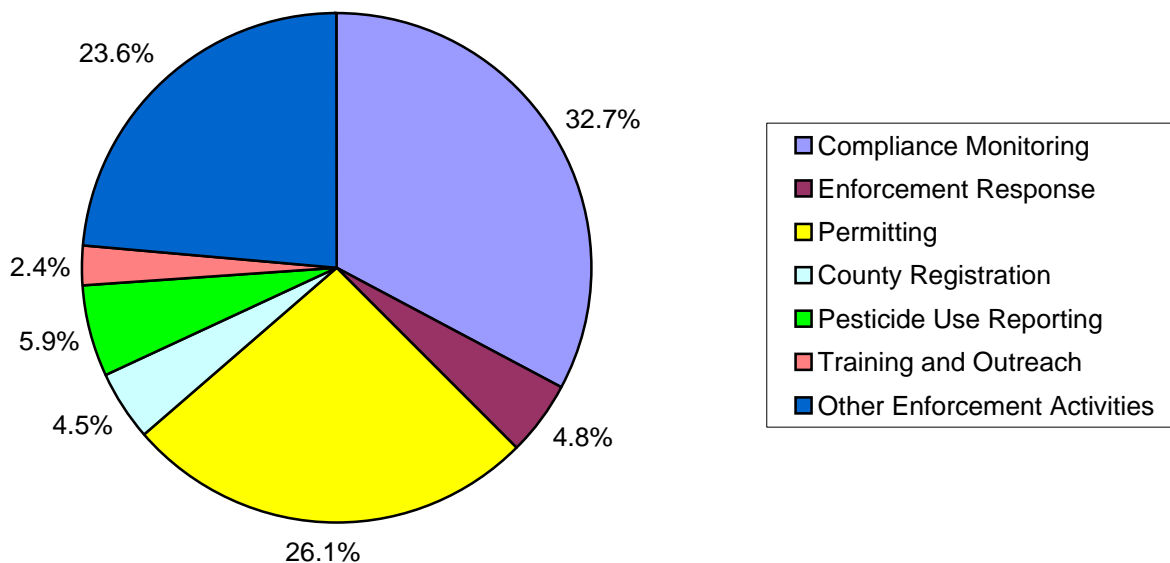
⁴ Analysis of data indicates some problems with reporting and accurately recording these figures.

⁵ Funding is on a fiscal year basis and is based on the prior year's workload.

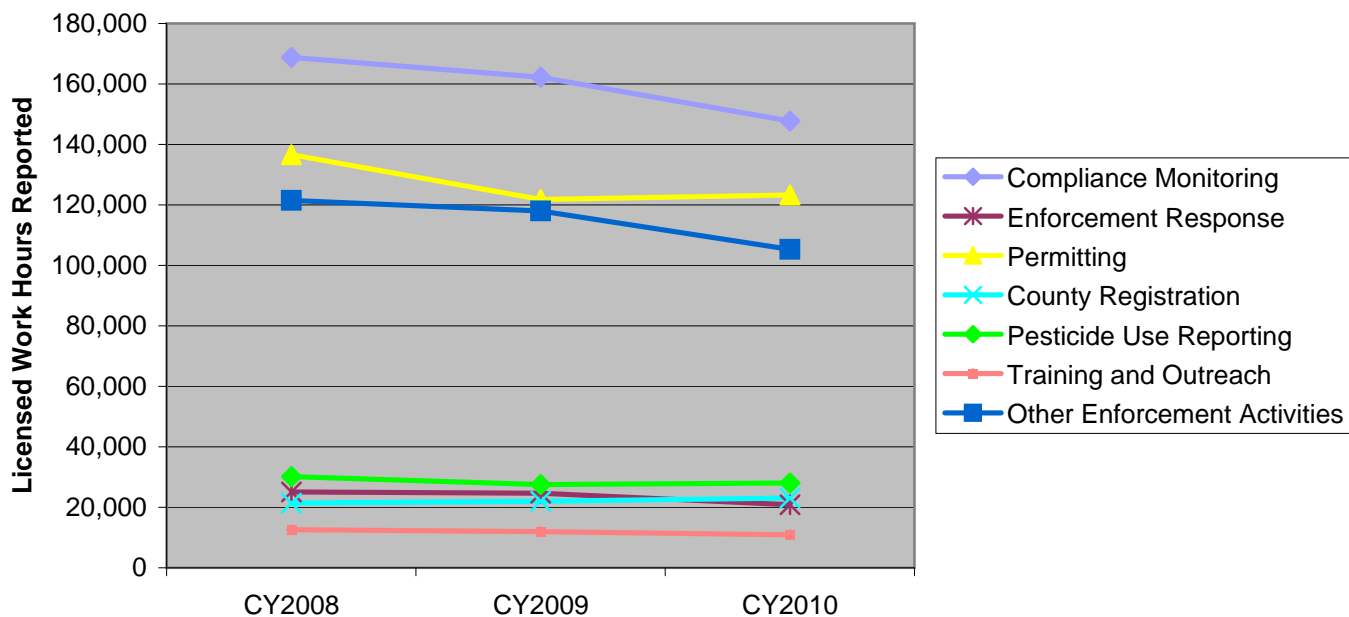
⁶ Funding is on a fiscal year basis. This amount represents 36 percent of the full amount distributed by CDFA for all 10 agricultural programs (FAC 2282) and pesticide use enforcement. The 36 percent represents the typical amount dedicated to pesticide use enforcement.

Statewide Pesticide Regulatory Activities Monthly Report Calendar Year Summary

**Percentage of Licensed Work Hours Reported By Category
During Calendar Years 2008, 2009, and 2010**



**Number of Licensed Work Hours Reported By Category
For Calendar Years 2008, 2009, and 2010**



Statewide Inspection Compliance

	Calendar Year 2008							Calendar Year 2009							Calendar Year 2010								
		Criteria Compliance							Criteria Compliance							Criteria Compliance							
Inspection Type	Number of Inspections	Items That Did Comply	Items That Did Not Comply	Total Items	Rate	Inspections With a Violation	Inspections with 100% Compliance	Number of Inspections	Items That Did Comply	Items That Did Not Comply	Total Items	Rate	Inspections With a Violation	Inspections with 100% Compliance	Number of Inspections	Items That Did Comply	Items That Did Not Comply	Total Items	Rate	Inspections With a Violation	Inspections with 100% Compliance		
Agricultural																							
Field Worker Safety	1,303	6,826	334	7,160	95.3%	212	83.7%	1,072	6,032	256	6,288	95.9%	171	84.0%	942	5,573	225	5,798	96.1%	143	84.8%		
Pesticide Use - Application	5,495	82,930	3,124	86,054	96.4%	1,015	81.5%	4,992	77,323	2,546	79,869	96.8%	812	83.7%	4,832	81,040	2,395	83,435	97.1%	791	83.6%		
Pesticide Use - Mix Load	2,087	36,254	420	36,674	98.9%	183	91.2%	1,897	33,886	394	34,280	98.9%	177	90.7%	1,908	35,025	351	35,376	99.0%	143	92.5%		
Commodity Fume	355	6,994	23	7,017	99.7%	7	98.0%	418	8,511	7	8,518	99.9%	6	98.6%	425	8,997	11	9,008	99.9%	8	98.1%		
Field Fumigation	803	19,781	105	19,886	99.5%	45	94.4%	727	19,343	37	19,380	99.8%	23	96.8%	643	18,045	44	18,089	99.8%	28	95.6%		
Records	4,306	50,280	1,420	51,700	97.3%	639	85.2%	4,086	52,992	1,665	54,657	97.0%	655	84.0%	3,906	55,601	1,450	57,051	97.5%	565	85.5%		
Totals:	14,349	203,065	5,426	208,491	97.4%	2,101	85.4%	13,192	198,087	4,905	202,992	97.6%	1,844	86.0%	12,656	204,281	4,476	208,757	97.9%	1,678	86.7%		
Structural																							
Fumigation	1,979	49,622	186	49,808	99.6%	120	93.9%	2,049	53,941	173	54,114	99.7%	131	93.6%	1,812	52,679	144	52,823	99.7%	90	95.0%		
Non-Fumigation Application	1,079	18,167	243	18,410	98.7%	150	86.1%	1,098	18,791	280	19,071	98.5%	172	84.3%	1,017	18,526	241	18,767	98.7%	138	86.4%		
Non-Fumigation Mix Load	176	2,555	27	2,582	99.0%	18	89.8%	161	2,587	31	2,618	98.8%	21	87.0%	157	2,361	42	2,403	98.3%	21	86.6%		
Records	1,277	7,703	195	7,898	97.5%	127	90.1%	1,245	9,609	261	9,870	97.4%	163	86.9%	1,238	12,290	253	12,543	98.0%	152	87.7%		
Totals:	4,511	78,047	651	78,698	99.2%	415	90.8%	4,553	84,928	745	85,673	99.1%	487	89.3%	4,224	85,856	680	86,536	99.2%	401	90.5%		
Overall Totals:	18,860	281,112	6,077	287,189	97.9%	2,516	86.7%	17,745	283,015	5,650	288,665	98.0%	2,331	86.9%	16,880	290,137	5,156	295,293	98.3%	2,079	87.7%		

Statewide Closed Compliance Actions and Closed Enforcement Actions

	2008		2009		2010	
	Hours	Numbers	Hours	Numbers	Hours	Numbers
VIII. Compliance Actions						
A. Warning Letters / Violation Notices		3,528		3,896		3,195
B. Cease and Desist Orders		302		261		202
C. Documented Compliance Interviews		46		29		33
Total:	10,700	3,876	11,247	4,186	10,249	3,430
IX. Enforcement Actions						
A. Administrative Action:						
1. Restricted Materials Permit		18		12		2
2. Private Applicator Certifications		0		2		6
3. County Registrations		0		0		0
4. Structural Civil Penalties		235		237		234
5. Agricultural Civil Penalties		764		634		554
B. Judicial Actions:						
1. Notice to Appear (Citations)		0		1		0
2. Cases Submitted to DA		2		3		0
3. Civil Complaints Filed		0		0		0
4. Criminal Complaints Filed		0		1		0
C. Referrals to DPR		0		2		1
Total:	14,337	1,019	13,394	892	10,566	797

Note: Compliance and Enforcement actions are not necessarily taken in the same fiscal year when the violation occurs. Additionally, some actions may be due to discovery of violations by means other than inspections such as through investigations.

Most Common Agricultural Inspection Violations

Elements Evaluated	2008 Criteria Evaluated			2009 Criteria Evaluated			2010 Criteria Evaluated			Overall 2008 - 2010 Criteria Evaluated			
	Met	Not Met	Total	Met	Not Met	Total	Met	Not Met	Total	Met	Not Met	Total	Percent Compliance
Follows Labeling and/or Permit Conditions	21,762	664	22,426	20,254	499	20,753	19,791	467	20,258	61,807	1,630	63,437	97.43
Regulations - Personal Protective Equipment	9,513	587	10,100	8,957	430	9,387	8,784	409	9,193	27,254	1,426	28,680	95.03
Handler Training	9,558	378	9,936	8,825	372	9,197	11,933	377	12,310	30,316	1,127	31,443	96.42
Emergency Medical Care, Posting	7,777	439	8,216	7,160	363	7,523	7,110	321	7,431	22,047	1,123	23,170	95.15
Pest Control Business / Equipment Registered	8,483	356	8,839	7,826	315	8,141	7,357	268	7,625	23,666	939	24,605	96.18
Respiratory Protection	1,102	106	1,208	6,664	393	7,057	8,213	403	8,616	15,979	902	16,881	94.66
Handler Decontamination Facilities	11,042	324	11,366	9,985	237	10,222	9,959	255	10,214	30,986	816	31,802	97.43
Service Container Labeling	2,708	292	3,000	2,466	248	2,714	2,518	220	2,738	7,692	760	8,452	91.01
Labeling Available at Use Site	8,263	290	8,553	7,730	207	7,937	7,547	189	7,736	23,540	686	24,226	97.17
Hazard Communication / Field Workers	2,142	156	2,298	1,938	183	2,121	1,742	112	1,854	5,822	451	6,273	92.81
Application Specific Information / Field Workers	1,392	115	1,507	1,508	125	1,633	1,445	126	1,571	4,345	366	4,711	92.23
Equipment Identified - PCB	4,317	136	4,453	4,045	111	4,156	3,381	82	3,463	11,743	329	12,072	97.27
Hazard Communication / Handler	2,214	126	2,340	2,082	128	2,210	2,116	68	2,184	6,412	322	6,734	95.22
Pesticide Use Records Kept / 2 years	2,758	127	2,885	2,719	90	2,809	2,587	93	2,680	8,064	310	8,374	96.30
Pesticide Use Reports Submitted	2,018	111	2,129	2,024	105	2,129	1,865	79	1,944	5,907	295	6,202	95.24

Most Common Structural Inspection Violations

Elements Evaluated	2008 Criteria Evaluated			2009 Criteria Evaluated			2010 Criteria Evaluated			Overall 2008 - 2010 Criteria Evaluated			
	Met	Not Met	Total	Met	Not Met	Total	Met	Not Met	Total	Met	Not Met	Total	Percent Compliance
Respiratory Protection	465	36	501	3,097	124	3,221	3,734	128	3,862	7,296	288	7,584	96.20
Regulations - Personal Protective Equipment	3,225	92	3,317	3,199	106	3,305	3,054	83	3,137	9,478	281	9,759	97.12
Follows Labeling and/or Permit Conditions	8,313	96	8,409	8,791	104	8,895	7,716	78	7,794	24,820	278	25,098	98.89
Fumigation - Written Notice to Occupant	3,735	60	3,795	3,819	84	3,903	3,383	41	3,424	10,937	185	11,122	98.34
Service Container Labeling	1,493	55	1,548	1,537	56	1,593	1,535	48	1,583	4,565	159	4,724	96.63
Emergency Medical Care, Posting	3,375	64	3,439	3,465	46	3,511	3,179	31	3,210	10,019	141	10,160	98.61
Handler Training	3,403	35	3,438	3,497	30	3,527	3,563	29	3,592	10,463	94	10,557	99.11
Labeling Available at Use Site	3,097	21	3,118	3,080	16	3,096	2,790	20	2,810	8,967	57	9,024	99.37
Standards and Records Requirements	737	29	766	739	14	753	772	13	785	2,248	56	2,304	97.57
Registered in County / 24 Hour Notice (Fume)	1,969	3	1,972	2,069	6	2,075	5,441	35	5,476	9,479	44	9,523	99.54

Inspection numbers only include completed non-oversight inspections to DPR.

Values for some criteria can not be compared year to year due to revisions to the criteria and conversion to a new inspection program in 2010.